

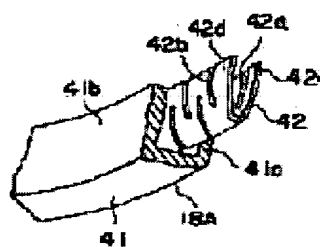
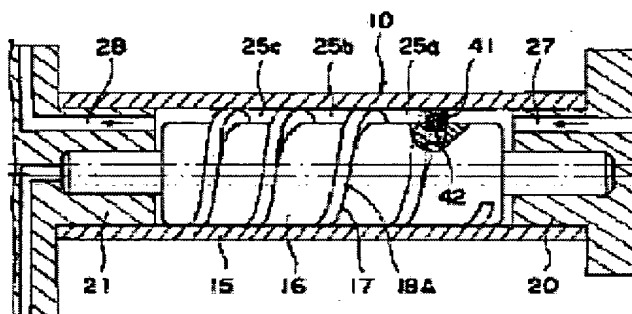
COMPRESSOR

Patent number: JP5280479
Publication date: 1993-10-26
Inventor: TSUNODA KAZUHISA; others: 01
Applicant: TOSHIBA CORP
Classification:
- international: F04C18/107
- european:
Application number: JP19920071951 19920330
Priority number(s):

Abstract of JP5280479

PURPOSE: To improve the fatigue life for the deformation movement such as torsion and permit the operation for a long time by installing a blade body which has a groove shaped section and in which at least one face of the helical blade of a compressor part is opened and an elastic body installed inside the blade body.

CONSTITUTION: Each of compression chambers 25a-25c is formed by a cylinder 15, roller piston 16, and a helical blade 18A. The helical blade 18A is equipped with a blade body 41 which has a groove shaped section and is formed in spiral form from resin and in which one face between the spiral inner and outer faces is opened, and an elastic body 42 installed inside the blade body 41. Accordingly, the body which is thinner than the conventional can be obtained, and an opened port part which serves as the free boundary for the deformation is provided, and the deformation stress of the blade body 41 which is generated by a torsional motion can be reduced. Accordingly, the fatigue life can be prolonged, and the operation of the compressor for a long time is permitted.



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